

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 2000-371291 (71)Applicant : FUJI PHOTO FILM CO LTD

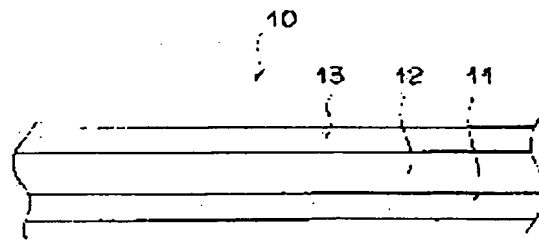
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(54) RADIATION LIGHT EMITTING PANEL

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the conveyance durability, antifouling property and resistance to damage of a radiation light emitting panel.

SOLUTION: In the radiation light emitting panel 10 comprising support 11, a phosphor layer 12 and a protective film 13 laminated together in this order, the protective film 13 contains an ultraviolet or electron ray setting resin and a reactive silicone having at its terminals one or more functional groups capable of reacting with the resin, with the number average molecular weight of the silicone being from 5,000 to 20,000. The protective film 13 is hardened by application of ultraviolet rays or electron rays.



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AN: PAT 2002-669516
TI: Radiation light-emission panel contains protective film which hardens by irradiation of ultraviolet rays or electron beam, and includes reactive silicone which has functional group at terminal
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AB: NOVELTY - A radiation light-emission panel (10) has a fluorescent layer (12) and a fluorescent protective film (13). The film (13) is hardened by irradiation of ultraviolet rays and/or an electron beam (UEB), and includes reactive silicone which has a functional group at the terminal which reacts the film (13) with UEB cured resin. The number average molecular weight of the reactive silicone is 5000-20000.; USE - As radiation image transformation panel, used for radiation image transformation method using phosphorescence fluorescent material and intensifying screen for X-ray photographs.
ADVANTAGE - The radiation light-emission panel is excellent in conveyance and has excellent durability and dirt and damage resistance. The radiation panel has excellent stain resistance and reduction of quality of image information is reduced. A luminescent fine radiation light emission panel is obtained by providing the protective film directly on the fluorescent layer.
DESCRIPTION OF DRAWING(S) - The figure shows a fragmentary sectional view of radiation light-emission panel. Radiation light-emission panel 10 Fluorescent layer 12 Protective film 13
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